

APPLICATION FOR PERMIT **50280**
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office OCT 14 1986

Returned to applicant for correction

Corrected application filed

Map filed

The applicant Trans-Pacific Geothermal Corporation
1330 Broadway, Suite 1525, of Oakland,
Street and No. or P.O. Box No. City or Town

CA 94612, hereby make S application for permission to appropriate the public
State and Zip Code No.
waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated Oct 15, 1985 at
Reno, Nevada

1. The source of the proposed appropriation is the Stillwater geothermal reservoir
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 3.6 second-feet
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet n/a

3. The water to be used for Geothermal & Industrial
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated

(b) Stockwater, state number and kinds of animals to be watered

(c) Other use (describe fully under "No. 12. Remarks")

(d) Power:

(1) Horsepower developed 10 mw electric

(2) Point of return of water to stream spent geothermal brine will be reinjected into
geothermal reservoir.

5. The water is to be diverted from its source at the following point located in the NE 1/4 of SE 1/4
Describe as being within a 40-acre subdivision of public

Sec. 1, T. 19 N., R. 30 E., MDB&M; from said point the NE corner of said Sec. 1
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

bears N. 02° 53' 31" E. a distance of 3413.11 feet.

6. Place of use See Exhibit "A" attached.
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about Jan. 1 and end about Dec. 31, of each year.
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) geothermal well as per attached schematic
State manner in which water is to be diverted, i.e. diversion structure, ditches and
diagram. Well will produce by self-induced flashed flow.
flumes, drilled well with pump and motor, etc.

9. Estimated cost of works \$250,000.00

10. Estimated time required to construct works 30 days
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use 1 year

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Produced water will be used to operate a hybrid flashed steam-binary power plant.
10% of produced fluid will be consumed in the power plant cooling tower. 90%
of the produced fluid will be reinjected in to the geothermal reservoir. Total
annual consumptive use will be 774 acre-feet.

By William T. Teplow
1330 Broadway, Suite 1525
Oakland CA 94612

Compared ijk/bl

Protested _____

 OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed _____ cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before _____

Proof of completion of work shall be filed before _____

Application of water to beneficial use shall be made on or before _____

Proof of the application of water to beneficial use shall be filed on or before _____

Map in support of proof of beneficial use shall be filed on or before _____

Completion of work filed _____ IN TESTIMONY WHEREOF, I _____

State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed _____ my office, this _____ day of _____,

Cultural map filed _____ A.D. 19 _____

Certificate No. _____ Issued _____

CANCELLED **NOV 20 1986** State Engineer
 OF APPLICANT TO SUBMIT STATUTORY BECAUSE OF FAILURE
 FEES.

Peter H. Williams
See Ruling #3399 STATE ENGINEER
JK

EXHIBIT A

No. 6 - Place of Use

Sec. 15, 16, E $\frac{1}{2}$ of E $\frac{1}{2}$ & SW $\frac{1}{4}$ of SE $\frac{1}{4}$ & S $\frac{1}{2}$ of SW $\frac{1}{4}$, Sec. 17;
E $\frac{1}{2}$ of NE $\frac{1}{4}$ & SE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 19; Sec. 20, 21, W $\frac{1}{2}$, Sec. 22;
NW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 27; W $\frac{3}{4}$ & E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 28; Sec. 29;
E $\frac{3}{4}$ Sec. 30; Sec. 31, 32; W $\frac{1}{2}$ of W $\frac{1}{2}$ & NE $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 33,
T 20 N, R 31 E, MDB&M.

SW $\frac{1}{4}$ & S $\frac{1}{2}$ of SE $\frac{1}{4}$, Sec. 36, T 20 N, R 30 E, MDB&M

Sec. 1; S $\frac{1}{2}$ & E $\frac{1}{2}$ of NE $\frac{1}{4}$, Sec. 2; E $\frac{1}{2}$ & SW $\frac{1}{4}$, Sec. 11; Sec. 12,
13, 14; E $\frac{3}{4}$ & W $\frac{1}{2}$ of SW $\frac{1}{4}$ & SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Sec. 23; Sec. 24;
W $\frac{3}{4}$ & E $\frac{1}{2}$ of NE $\frac{1}{4}$ & NE $\frac{1}{4}$ of SE $\frac{1}{4}$, Sec. 26; Sec. 27; E $\frac{1}{2}$ of E $\frac{1}{2}$,
Sec. 28, T 19 N, R 30 E, MDB&M.

W $\frac{1}{2}$ of NW $\frac{1}{4}$ & NW $\frac{1}{4}$ of SW $\frac{1}{4}$, Sec. 4; Sec. 5, 6, 7, 8; NW $\frac{1}{4}$ of NW $\frac{1}{4}$
& S $\frac{1}{2}$ of NW $\frac{1}{4}$, Sec. 17; W $\frac{3}{4}$ & E $\frac{1}{2}$ of NE $\frac{1}{4}$ & NE $\frac{1}{4}$ of SE $\frac{1}{4}$ Sec. 18;
W $\frac{1}{2}$ of NW $\frac{1}{4}$ & NW $\frac{1}{4}$ of NE $\frac{1}{4}$ & S $\frac{1}{2}$ of NE $\frac{1}{4}$ Sec. 19, T 19 N, R 31 E,
MDB&M.

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